

**ABSTRACT**

A hearing aid is provided comprising a transceiver for interconnection of the hearing aid with a wireless network for communication with a plurality of other devices, and a communication controller that is adapted for controlling data exchange through the

5 network in accordance with a simple network protocol. The hearing aid wireless network facilitates interconnection of a plurality of devices in the network, such as hearing aids, remote controllers, fitting instruments, mobile phones, headsets, door bells, alarm systems, broadcast systems, such as tele coil replacement, etc, etc. In an established network, the network master device, in a connected mode, regularly

10 transmits synchronization data, e.g. comprised in a link management package, for synchronization of the slave devices in the network with the master device. During initialisation of the network, for example upon turn-on of two hearing aids, each device in an acquisition mode transmits interrogation data, e.g. comprised in a link management package, at a higher rate than the rate of transmission of the

15 synchronization data in the connected mode. The provided acquisition method has low power consumption during execution and it is fast.